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United States Patent [19]

Ruoslahti et al.

[11] **Patent Number:** 5,622,699[45] **Date of Patent:** Apr. 22, 1997[54] **METHOD OF IDENTIFYING MOLECULES THAT HOME TO A SELECTED ORGAN IN VIVO**[75] **Inventors:** Erkki Ruoslahti, Rancho Santa Fe; Renata Pasqualini, Solana Beach, both of Calif.[73] **Assignee:** La Jolla Cancer Research Foundation, La Jolla, Calif.[21] **Appl. No.:** 526,710[22] **Filed:** Sep. 11, 1995[51] **Int. Cl.⁶** A61K 49/00; C12Q 1/68; C12Q 1/70[52] **U.S. Cl.** 424/93.6; 424/9.1; 424/93.2; 435/5; 435/6[58] **Field of Search** 435/5, 6, 172.3, 435/320.1; 530/350; 424/9.1, 9.34, 93.2, 93.6[56] **References Cited****U.S. PATENT DOCUMENTS**

5,081,034	1/1992	Bevilacqua et al.	435/252.33
5,098,833	3/1992	Lasky et al.	435/69.1
5,216,131	6/1993	Lasky et al.	530/350
5,225,538	7/1993	Capon et al.	530/387.3
5,288,846	2/1994	Quertermous et al.	435/172.3
5,304,640	4/1994	Lasky et al.	536/23.5
5,415,874	5/1995	Bender et al.	424/520
5,428,130	6/1995	Capon et al.	530/350
5,453,362	9/1995	Lamarco et al.	435/69.1
5,506,126	4/1996	Seed et al.	435/172.3

FOREIGN PATENT DOCUMENTS

WO92/03461	3/1992	WIPO	C07H 17/00
WO92/06191	4/1992	WIPO	C12N 15/10
WO95/14714	6/1995	WIPO	C07K 14/75

OTHER PUBLICATIONSPasqualini et al., "Organ targeting in vivo using phage display peptide libraries", *Nature* 380: 364-366. Mar. 1996.Hart et al., "Cell binding and internalization by filamentous phage displaying a cyclic Arg-Gly-Asp-containing peptide", *J. Biol. Chem.* 269: 12468-12474. Apr. 1994.Goodson, Robert J. et al., "High-affinity Urokinase Receptor Antagonists Identified with Bacteriophage Peptide Display." *Proc. Natl. Acad. Sci. USA* 91:7129-7133 (1994).Burioni, Roberto et al., "Recombinant Human Fab to Glycoprotein D Neutralizes Infectivity and Prevents Cell-to-Cell Transmission of Herpes Simplex Viruses 1 and 2 In Vitro." *Proc. Natl. Acad. Sci. USA* 91:355-359 (1994).Cattani, P et al., "Cloning and Characterization of Human Recombinant Antibody Fab Fragments Specific for Types 1 and 2 Herpes Simplex Virus." *Chem. Abstr. Immunochimistry* 123:141201m (1995).Burton, Dennis R. et al., "A Large Array of Human Monoclonal Antibodies to Type 1 Human Immunodeficiency Virus From Combinatorial Libraries of Asymptomatic Seropositive Individuals." *Proc. Natl. Acad. Sci. USA* 88:10134-10137 (1991).Cattani, P et al., "Cloning and Characterization of Human Recombinant Antibody Fab Fragments Specific for Types 1 and 2 *Herpes simplex* Virus." *Microbiologica* 18:135-142 (1995).*Primary Examiner*—Jasemine C. Chambers*Assistant Examiner*—Scott D. Priebe*Attorney, Agent, or Firm*—Campbell & Flores LLP[57] **ABSTRACT**

The present invention provides methods for in vivo panning of a library to identify molecules that specifically home to a selected organ.

5 Claims, No Drawings

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